CLAIMS

I claim:

1   1.   A system comprising:

2   a satellite communication subsystem;

3   a wireless local area network (LAN) that includes at least one

4 computer; and

5   a mobile unit configured to transfer broadband information as a

6 single nomadic transmission/reception point between the satellite

7 communication subsystem and the wireless LAN using an ethernet

8 packet switching protocol.

1   2.   The system defined Claim 1 wherein the broadband

2 information comprises data.

1   3.   The system defined Claim 1 wherein the broadband

2 information comprises audio and image data, such that the subsystem,

3 wireless LAN and mobile hub transfer broadband audio and image data.

1   4.   The system defined Claim 1 wherein the information is

2 transferred using the TCP/IP protocol.

1   5.   (New) The system defined Claim 1 wherein the wireless

2   LAN comprises a plurality of nodes with at least one personal computer

3   at each of the plurality of nodes.

1   6.   The system defined Claim 1 wherein the mobile unit

2   comprises an uplink to the satellite communication subsystem.

1   7.   The system defined Claim 1 wherein the mobile hub

2   comprises a server to control the relaying of information.

1   8.   The system defined Claim 1 wherein the mobile unit

2   comprises a workstation viewing environment.

1   9.   The system defined in Claim 1 wherein the mobile unit

2   comprises a vehicle.

1   10.   A system comprising:

2   a satellite communication subsystem to operate as a secured

3   private intranet to transfer broadband information using a ethernet

4   packet switching protocol;

5   a wireless local area network (LAN) to transfer information using

6   the ethernet packet protocol, wherein the wireless LAN comprises a

7   plurality of nodes with an individual computer at each of the plurality of

8   nodes; and

9   a mobile unit to transfer broadband information as a single

10 nomadic transmission/reception point between the satellite

11 communication system and the wireless LAN.

1   11.   The system defined Claim 10 wherein the broadband

2   information comprises data.

1   12.   The system defined Claim 10 wherein the broadband

2   information comprises audio and image data, such that the subsystem,

3   wireless LAN and mobile hub transform broadband audio and image

4   data.

1   13.   A telecomputer network system comprising:

2   a satellite communications system;

3   a wireless local area network (LAN); and

4   a mobile hub station configured to transfer information as a single

5   nomadic transmission/reception point between the satellite

6   communication system and the wireless LAN, such that information is

7   transferred over the network using ethernet packet switching protocol.

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1   14.   The network defined Claim 13 wherein the satellite

2   communication system operates as a secured private intranet.

1   15.   The network defined Claim 13 wherein the information is

2   transferred using the TCP/IP protocol.

1   16.   The network defined Claim 13 wherein the wireless LAN

2   comprises a plurality of nodes with at least one personal computer at

3   each of the plurality of nodes.

1   17.   The network defined Claim 13 wherein the satellite

2   communication system comprises a network operations center, a

3   plurality of hubs, wherein each hub comprises a wireless router and a

4   relay station to relay information between hubs.

1   18.   The network defined Claim 13 wherein the mobile hub

2   station comprises an uplink to the satellite communication system.

1   19.   The network defined Claim 13 wherein the mobile hub

2   station is configured to relay information between the wireless LAN and

3   the satellite communication system, and comprises a server to control

4   the relaying of information.

1   20.   The network defined Claim 13 wherein the mobile hub

2   station comprises a workstation viewing environment.

1   21.   The network defined in Claim 13 wherein the mobile hub

2   station comprises a vehicle or a portable field unit.

1   22.   A telecomputer network comprising:

2   a wireless wide area network (WAN) comprising a redundant

3   satellite communication system configured to operate as a intranet;

4   a wireless local area network (LAN), wherein the wireless LAN

5   comprises a plurality of nodes with an individual personal computer at

6   each of the plurality of nodes; and

7   a mobile vehicle or portable field unit configured to transfer

8   information as a single nomadic transmission/reception point between

9   the satellite communication system and the wireless LAN, wherein

10   transfers of information over the network using the TCP/IP protocol.

1   23.   The network defined Claim 22 wherein the wireless WAN

2   operates as a private intranet.

1   24.   The network defined Claim 22 wherein the satellite

2   communication system comprises a plurality of hubs, wherein each hub

3   comprises a wireless router and a satellite transmission/reception system

4   to relay information between hubs.

1   25.   The network defined Claim 22 wherein the mobile vehicle

2   comprises an uplink to the satellite communication system.

1   26.   The network defined Claim 22 wherein the mobile vehicle

2   is configured to relay information between the wireless LAN and the

3   satellite communication system, and comprises a server to control the

4   relaying of information.

1   27.   The network defined Claim 22 wherein the mobile vehicle

2   comprises a workstation viewing environment.

1   28.   A telecomputer network comprising:

2   a satellite communication system configured to operate as a

3   secured private intranet to transfer information using a ethernet packet

4   switching protocol;

5   a wireless local area network (LAN) configured to transfer

6   information using the ethernet packet protocol, wherein the wireless

7   LAN comprises a plurality of nodes with an individual personal

8   computer at each of the plurality of nodes; and

9   a plurality of mobile vehicles, or portable field units wherein each

10   mobile vehicle or portable field unit is configured to transfer information

11   as a single nomadic transmission/reception point between the satellite

12   communication system and the wireless LAN.